

Quick Freezing Evaporator

This air cooler is designed for use in refrigeration systems requiring quick temperature reduction. It is suitable for use in cold rooms and freezers where rapid cooling is critical.



ADDITIONAL IMAGES



Overview

CONFIGURATION



High-Performance Quick Freezing Solutions

The DJ series quick-freezing evaporator is engineered for rapid temperature reduction in demanding industrial refrigeration environments. Designed specifically for frozen libraries operating at -25°C or lower, it ensures uniform cooling and efficient heat transfer. With robust construction and customizable material options, this unit is an ideal choice for cold storage, food processing, and blast freezing applications.

Technical Specifications

Series Application Range

Series Type	Storage Temperature	Primary Application
DL Type	~ 0°C	Preservation storage
DD Type	-18°C	Refrigerator storage
DJ Type	-25°C or less	Frozen library/Quick freezing

Fan System



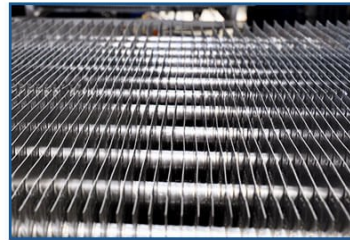
Fan Motor Specifications

- Power: 380V / 50Hz Three-phase
- Motor Type: Outer rotor net cover fan
- Protection Grade: IP54
- Insulation Grade: F
- Operating Range: -30°C to 60°C

Available Fan Diameters

450mm, 500mm, 550mm, 600mm, 630mm

Construction Materials



Fin Materials

Aluminum • Copper

Pipe Materials

Copper • Stainless Steel

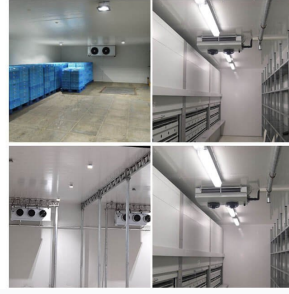
Manufacturing Process

Production Workflow

- Punching and Nesting plate preparation
- Expanding and connecting components
- Internal pipe cleaning
- U-tube seamless welding
- Seamless welding inspection
- Final assembly
- Packaging and Shipping

Application

APPLICATION



Suitable Environments

Cold Storage, Food Processing, Blast Freezers, Industrial Ventilation